

AMENDMENTS TO THE CLAIMS

Claims 15-25 and 28-32 are pending in this application.

1.-28. (Cancelled)

29. (Previously Presented) A wordline voltage control system for raising a voltage of a wordline to a predetermined voltage and maintaining the voltage of the wordline at the predetermined voltage, comprising:

a wordline extending across a portion of a non-volatile memory array; and

a charge pump connected to the wordline to deliver current from the charge pump to the wordline, the charge pump including a stage that has variable current output according to a variable capacitance in the stage, wherein the variable capacitance has a selectable first capacitor to provide a first current from the charge pump and a second capacitor to provide a second current from the charge pump, and the first capacitor is controlled by a driver circuit and the driver circuit is protected by a driver protection circuit.

30. (Previously Presented) The system of claim 29 wherein the driver circuit is an adaptive driver circuit that provides voltage to the first capacitor at a selectable voltage level.

31. (Previously Presented) The system of claim 29 wherein the second current is approximately equal to a leakage current of the wordline.

32. (Previously Presented) The system of claim 29 wherein the driver circuit is responsive to a voltage detected on the wordline.

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